Hole caving; drill-rod coupling broke

Set 30 feet of 5-inch standpipe in gravel

Set 56 feet of 31/2-inch standpipe; began 21/4-inch core

Reset broken casing

Reset and cemented casing < Waiting for cement to harden {

Hole caving { 57 }

Set 183 feet of 21/4-inch casing; reduced to 1%-inch core

Waiting for cement Poured cement around casing {

Set 35 feet of 5-inch standpipe; began 21/4-inch core Set 139 feet of 21/4-inch casing; reduced to 13/6-inch core

> Hole caving Moved rig Began No. 5 hole Standpipe stuck at 23 feet

> > Record run of 72 feet in 11 hours

Repaired frozen pipes and installed new pump

Shifted rig; began new hole Set 32 feet of 5-inch standpipe; began 2½-inch core

Repaired core barrel Hole caving; shifted rig

Set and cemented 190 feet of 21/4-inch casing

Waiting for cement to harden Reduced to 13% inch core

Began No. 5-A hole Set 32 feet of 5-inch standpipe; began 2½-inch core

Set 192 feet of 21/4-inch casing; reduced to 1%-inch core 

Moved rig Began No. 3 hole